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| APPLICATION NO. | F | ILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|------|------------|----------------------|-------------------------|------------------|
| 10/051,953 | | 01/17/2002 | Dale Danver | 011258 | 3052 |
| 30981 | 7590 | 09/25/2003 | | | |
| FACTOR & PARTNERS, PLC 305 HOOVER BOULEVARD SUITE 300 | | | | EXAMINER | |
| | | | | FERGUSON, L | AWRENCE D |
| HOLLAND, MI 49423 | | 23 | | ART UNIT | PAPER NUMBER |
| | | | | 1774 | |
| | | | | DATE MAILED: 09/25/2003 | |

Please find below and/or attached an Office communication concerning this application or proceeding.

| 1, | | | |
|---|--|--|---|
| | | Application No. | Applicant(s) |
| | · | 10/051,953 | DANVER, DALE |
| | Office Action Summary | Examiner | Art Unit |
| | | Lawrence D Ferguson | 1774 |
| | The MAILING DATE of this communication app | | h the correspondence address |
| | or Reply | | |
| THE - Ext afte - If th - If N - Fai - Any | MAILING DATE OF THIS COMMUNICATION. ensions of time may be available under the provisions of 37 CFR 1.1 er SIX (6) MONTHS from the mailing date of this communication. The period for reply specified above is less than thirty (30) days, a reply O period for reply is specified above, the maximum statutory period of the period for reply within the set or extended period for reply will, by statute or reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b). | 36(a). In no event, however, may a re y within the statutory minimum of thirty will apply and will expire SIX (6) MONTs, cause the application to become ABA | ply be timely filed (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133). |
| 1)⊠ | Responsive to communication(s) filed on 17. | lanuary 2002 | |
| 2a)□ | | is action is non-final. | |
| 3)□ | | | ters prosecution as to the merits is |
| , | closed in accordance with the practice under tion of Claims | | |
| 4)⊠ | Claim(s) 1-18 is/are pending in the application | 1. | |
| | 4a) Of the above claim(s) is/are withdraw | wn from consideration. | |
| 5)🛛 | Claim(s) <u>18</u> is/are allowed. | • | |
| 6)⊠ | Claim(s) <u>1-6,8,9 and 14</u> is/are rejected. | | |
| 7)🛛 | Claim(s) 7,10-13 and 15-17 is/are objected to. | | • |
| 8)[| Claim(s) are subject to restriction and/o | r election requirement. | |
| Applica | tion Papers | · | |
| 9)[| The specification is objected to by the Examine | r. | |
| 10) | The drawing(s) filed on is/are: a) accept | pted or b)⊡ objected to by th | e Examiner. |
| | Applicant may not request that any objection to the | e drawing(s) be held in abeya | nce. See 37 CFR 1.85(a). |
| 11) | The proposed drawing correction filed on | _ is: a)☐ approved b)☐ di | sapproved by the Examiner. |
| | If approved, corrected drawings are required in re | ply to this Office action. | |
| 12) | The oath or declaration is objected to by the Ex | aminer. | |
| Priority | under 35 U.S.C. §§ 119 and 120 | | |
| 13)[| Acknowledgment is made of a claim for foreign | n priority under 35 U.S.C. § | 119(a)-(d) or (f). |
| а |)☐ All b)☐ Some * c)☐ None of: | | |
| | 1. Certified copies of the priority document | s have been received. | |
| | 2. Certified copies of the priority document | s have been received in Ap | pplication No |
| * | 3. Copies of the certified copies of the prior application from the International Bu See the attached detailed Office action for a list | reau (PCT Rule 17.2(a)). | • |
| | Acknowledgment is made of a claim for domesti | • | |
| ; | a) The translation of the foreign language pro Acknowledgment is made of a claim for domest | ovisional application has be | en received. |
| Attachme | | is priority under 50 0.0.0. | 33 120 GHG/01 121. |
| 1) 🔯 Noti 2) 🔲 Noti | ice of References Cited (PTO-892) ice of Draftsperson's Patent Drawing Review (PTO-948) rmation Disclosure Statement(s) (PTO-1449) Paper No(s) 2 | 5) Notice of In | rummary (PTO-413) Paper No(s) Informal Patent Application (PTO-152) |

U.S. Patent and Trademark Office PTOL-326 (Rev. 04-01) Application/Control Number: 10/051,953

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DETAILED ACTION

Claim Rejections - 35 USC § 102(b)

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-6, 8-9 and 14 are rejected under 35 U.S.C. 102(b) as being anticipated by WO 94/04622 A1 (WO '622).
- 3. WO '622 discloses a fibrous paper (page 9, lines 19-27) that is thermally stable up to at least 600°C (page 2, lines 10-18 and page 13, lines 5-6). WO '622 discloses the invention uses PBO (page 2, lines 19-20) and depicts the structural formula I as in instant claim 1 (page 4, Figures a-b).

Claim Rejections - 35 USC § 102(b)

- 4. Claims 1, 5 and 8 are rejected under 35 U.S.C. 102(b) as being anticipated by JP 09021089 A(JP '089). See provided JPO Abstract Translation and Machine Translation of JP '089 A.
- 5. JP '089 discloses a heat resistant fibrous paper thermally stable to at least 300°C (abstract) comprising PBO (Table 2).

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- 4. Claims 7, 10-13, 15-17 objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 5. Claim 18 is allowed.
- 6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. JP 2001-140189 paper fiber comprising poly-phenylene benzobixoxazole (abstract)

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lawrence Ferguson whose telephone number is (703) 305-9978. The examiner can normally be reached on Monday through Friday 8:30 AM – 4:30PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cynthia Kelly can be reached on (703) 308-0449. Please allow the examiner twenty-four hours to return your call.

The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9310 for regular communications and (703) 872-9311 for

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After Final communications. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-2351.

Lawrence D. Ferguson

Examiner Art Unit 1774

CYNTHIA H. KELLY
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1700